Amendments to the Claims:

Claims 28-40, as follows, are pending in this application:

1.-27. (canceled).

1	28. (previously presented) A method of monitoring data stored on a
2	primary storage system comprising:
3	creating a sequence of mirrors-in-the-middle, each mirror-in-the-
4	middle including a copy of data stored on the primary storage system at a fixed point
5	in time;
6	checking a first mirror-in-the-middle of the sequence of mirrors-in-the-
7	middle to see if a copy of data stored on the first mirror-in-the-middle satisfies at
8	least one constraint; and
9	if not, repeating checking previous mirrors-in-the-middle in the
10	sequence of mirrors-in-the-middle until one of the checked previous mirrors-in-the-
11	middle includes an uncorrupted copy of data satisfying the at least one constraint.
1	29. (previously presented) The method of claim 28 further
2	comprising restoring the uncorrupted copy of data to the primary storage system.
1	30. (previously presented) The method of claim 28 wherein checking
2	comprises scanning for viruses.
1	31. (previously presented) The method of claim 28 wherein checking
2	comprises monitoring a database for consistency of constraints.
1	32. (previously presented) The method of claim 28 further
2	comprising storing the sequence of mirrors-in-the-middle using a data management
3	appliance.

1	33. (previously presented) The method of claim 28 fur	ther
2	comprising restoring the copy of data stored on the first mirror-in-the-middle to) the
3	primary storage system if the copy of data stored on the first mirror-in-the-mic	ddle
4	satisfies the at least one constraint.	

1 34. (previously presented) The method of claim 28 further 2 comprising:
3 if the copy of data stored on the first mirror-in-the-middle satisfies the

if the copy of data stored on the first mirror-in-the-middle satisfies the at least one constraint, checking a copy of data stored on at least one additional mirror-in-the-middle later in the sequence of mirrors-in-the-middle than the first mirror-in-the-middle to see if the copy of data stored on the at least one additional mirror-in-the-middle satisfies the at least one constraint.

35. (previously presented) A data management appliance comprising: a random-access storage unit storing a sequence of mirrors-in-the-middle, each mirror-in-the-middle including a copy of data stored on a primary storage system at a fixed point in time; and

control logic in communication with the random-access storage unit, the control logic operative to checking a first mirror-in-the-middle of the sequence of mirrors-in-the-middle to see if a copy of data stored on the first mirror-in-the-middle satisfies at least one constraint and, if not, repeating checking previous mirrors-in-the-middle in the sequence of mirrors-in-the-middle until one of the checked previous mirrors-in-the-middle includes an uncorrupted copy of data satisfying the at least one constraint.

36. (previously presented) The data management appliance of claim 35 wherein the control logic is further operative to restore the uncorrupted copy of data to the primary storage system.

- 37. (previously presented) The data management appliance of claim
 35 wherein checking comprises scanning for viruses.
- 38. (previously presented) The data management appliance of claim
 35 wherein checking comprises monitoring a database for consistency of constraints.
- 39. (previously presented) The data management appliance of claim
 the control logic is further operative to restore the copy of data stored on
 the first mirror-in-the-middle to the primary storage system if the copy of data stored
 on the first mirror-in-the-middle satisfies the at least one constraint.
- 40. (previously presented) The data management appliance of claim
 35 wherein the control logic is further operative to check a copy of data stored on at
 least one additional mirror-in-the-middle later in the sequence of mirrors-in-themiddle than the first mirror-in-the-middle to see if the copy of data stored on the at
 least one additional mirror-in-the-middle satisfies the at least one constraint if the
 copy of data stored on the first mirror-in-the-middle satisfies the at least one
 constraint.